

## ABSTRACT

A photosensitive film excellent in workability and making it possible, in a normal pressure laminating process, to laminate photosensitive films on the surface of substrate having a metallic surface with a reduced number of air voids generated and in a high product yield, said film comprising a support film (A), a photosensitive resin composition-containing photosensitive resin layer (B) formed on said support (A) and a protecting film (C) further stuck on said layer (B), wherein the number of fish eyes having a diameter of at least 80  $\mu\text{m}$  included in the protecting film (C) does not exceed 5 fish eyes/ $\text{m}^2$ .

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<b>(21) International Application Number:</b> PCT/JP98/04184 <b>(22) International Filing Date:</b> 17 September 1998 (17.09.98) <b>(30) Priority Data:</b> 9/254816 19 September 1997 (19.09.97) JP <b>(71) Applicant (for all designated States except US):</b> HITACHI CHEMICAL COMPANY, LTD. [JP/JP]; 1-1, Nishishinjuku 2-chome, Shinjuku-ku, Tokyo 163-0449 (JP). <b>(72) Inventors; and</b> <b>(75) Inventors/Applicants (for US only):</b> KIMURA, Jinko [JP/JP]; Mutsumiyo 307, 4-14-10, Motomiyacho, Hitachi-shi, Ibaraki 317-0054 (JP). ISHIKAWA, Chikara [JP/JP]; 1325, Akahama, Takahagi-shi, Ibaraki 318-0001 (JP). TANAKA, Youji [JP/JP]; 3-7-13, Ayukawacho, Hitachi-shi, Ibaraki 316-0036 (JP). TAKANO, Shinji [JP/JP]; 4-29-9, Nishinarusawacho, Hitachi-shi, Ibaraki 316-0032 (JP). MINAMI, Yoshitaka [JP/JP]; 5-17-15, Takasuzucho, Hitachi-shi, Ibaraki 317-0066 (JP). <b>(74) Agents:</b> ASAMURA, Kiyoshi et al.; New Ohtemachi Building, Room 331, 2-1, Ohtemachi 2-chome, Chiyoda-ku, Tokyo 100-0004 (JP).		<b>(81) Designated States:</b> KR, SG, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).  <b>Published</b> With international search report.
<b>(54) Title:</b> <u>PHOTOSENSITIVE ELEMENT COMPRISING A PROTECTIVE FILM</u>		
<b>(57) Abstract</b> <p>A photosensitive film excellent in workability and making it possible, in a normal pressure laminating process, to laminate photosensitive films on the surface of substrate having a metallic surface with a reduced number of air voids generated and in a high product yield, said film comprising a support film (A), a photosensitive resin composition-containing photosensitive resin layer (B) formed on said support (A) and a protecting film (C) further stuck on said layer (B), wherein the number of fish eyes having a diameter of at least 80 <math>\mu\text{m}</math> included in the protecting film (C) does not exceed 5 fish eyes/<math>\text{m}^2</math>.</p> <div data-bbox="584 1176 1412 1932"><p><b>A</b></p><p><b>B</b></p></div>		